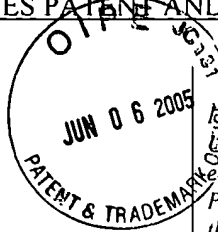


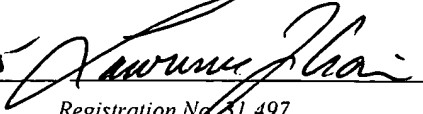
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Terrance W. Sutherland  
Serial No.: 10/785,470  
Conf. No.: 8548  
Filed: February 24, 2004  
For: COMPOSITE OVER-WRAPPED  
LIGHTWEIGHT CORE  
Art Unit: 3711  
Examiner: GRAHAM, Mark S.



Whereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to: MS Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date

Date

6/3/05   
Registration No. 31,497  
Attorney for Applicant(s)

ISSUE FEE AND PUBLICATION FEE TRANSMITTAL

Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

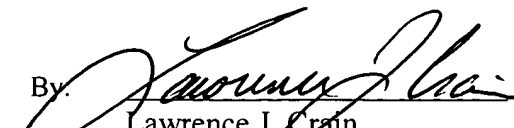
Enclosed herewith please find:

1. Form PTOL-85 (in duplicate) with check for \$1,000.00 for the issue fee and publication fee.
2. Request for Acknowledgment of Consideration of Information Disclosure Statement filed on February 24, 2004 with a copy of the February 24, 2004 IDS filing.
3. If a publication fee is due and is not enclosed, or is enclosed in an improper amount, the Commissioner is authorized to charge the publication fee (or any deficiency in such fee) to Deposit Account No. 07-2069.
4. The Commissioner is authorized by the undersigned to charge any additional fees which may be required to this application under 37 C.F.R. §§ 1.16-1,17, or credit any overpayment, to Deposit Account No. 07-2069. Should no proper amount be enclosed, herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 07-2069. A duplicate of this page is enclosed herewith.

Respectfully submitted,

GREER, BURNS &amp; CRAIN, LTD.

By:

  
Lawrence J. Crain  
Registration No. 31,497

June 2, 2005

300 South Wacker Drive, Suite 2500  
Chicago, Illinois 60606  
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COMMISSIONER FOR PATENTS  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450



PATENT APPLICATION  
Date: February 24, 2004  
File No. 3589.69886

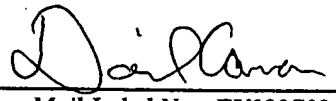
Sir:

Transmitted herewith for filing is the patent application of  
Inventor(s): Terrance W. Sutherland

*I hereby certify that this paper is being deposited with the United States Postal Service as EXPRESS MAIL in an envelope addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.*

For: COMPOSITE OVER-WRAPPED  
LIGHTWEIGHT CORE

February 24, 2004  
Date

  
Express Mail Label No.: EV032702495US

Enclosed are:

- (X) 28 pages of specification, including 30 claims and an abstract.
- (X) an executed oath or declaration, with power of attorney.
- ( ) an unexecuted oath or declaration, with power of attorney.
- ( )        sheet(s) of informal drawing(s).
- (X) 7 sheet(s) of formal drawings(s).
- ( ) Assignment(s) of the invention to                                  and Assignment Cover Sheet.
- ( ) A check in the amount of \$        to cover the fee for recording the assignment(s).
- (X) Information Disclosure Statement, Form PTO-1449 and cited references.
- ( ) Claim for Priority and Priority Document.

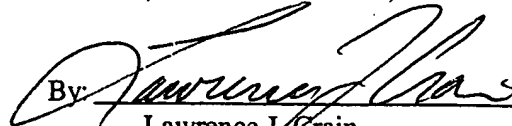
Fee Calculation For Claims As Filed

- |   |           |   |           |   |                  |                               |
|---|-----------|---|-----------|---|------------------|-------------------------------|
| a) Basic Fee  |           |   |           |   |                  | \$ 770.00                     |
| b) Independent Claims   | <u>4</u>  | - | <u>3</u>  | = | <u>1</u>         | x \$ 86.00 = \$ <u>86.00</u>  |
| c) Total Claims   | <u>30</u> | - | <u>20</u> | = | <u>10</u>        | x \$ 18.00 = \$ <u>180.00</u> |
| d) Fee for Multiple Dependent Claims  |           |   |           |   |                  | \$ 290.00 = \$ <u>      </u>  |
|   |           |   |           |   | Total Filing Fee | \$ <u>1,036.00</u>            |
| (X) Applicant(s) qualifies as a Small Entity, reducing Filing Fee by half to  |           |   |           |   |                  | \$ <u>518.00</u>              |
| (X) A check in the amount of \$ <u>518.00</u> to cover the filing fee is enclosed.  |           |   |           |   |                  |                               |
| ( ) Charge \$ <u>      </u> to Deposit Account No. 07-2069.   |           |   |           |   |                  |                               |
| ( ) Other <u>  </u>   |           |   |           |   |                  |                               |
| ( ) The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed. |           |   |           |   |                  |                               |

Respectfully submitted,

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GREER, BURNS & CRAIN, LTD.

By:   
Lawrence J. Crain  
Registration No. 31,497



In re Patent Application of  
Terrance W. Sutherland  
For: COMPOSITE OVER-WRAPPED LIGHTWEIGHT CORE

**PATENT APPLICATION**

3589.69886

LJC:ved

February 24, 2004

Enclosed is a Patent Application Cover Sheet; Transmittal in duplicate; Check for \$518.00 (Small Entity); Specification; 7 sheets of Formal Drawings; Executed Declaration and Power of Attorney; Information Disclosure Statement; Form PTO-1449 (2 sheets); Catalog reference and Certificate of Express Mailing No. EV032702495US.

Commissioner for Patents

Please acknowledge receipt of the above-identified document by applying the Patent and Trademark Office receipt hereto and mailing this card.

Respectfully,

22859 U.S. PTO  
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